

I claim:

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1. A contact structure in an electromagnetic shielding, by which the interior of a housing is electromagnetically shielded from the outside,

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said housing having walls, at least one opening in one of said walls and a closing element adapted to optionally open and close said opening,

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said housing and said closing element each having an electrically conductive shielding layer, said contact structure serving to establish electric contact between the shielding layers of said housing and said closing element, said housing representing a first part, and said closing element representing a second part,

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said contact structure comprising electric contact means at one of said parts conductively connected to said conductive layer of said part, said contact means, when said opening is closed by said closing element, extending around said opening for establishing electric contact between said conductive layer of said one part with said conductive layer of the other one of said parts, wherein

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said one of said parts has a circumferential groove in an end face around said opening, said groove having inwardly projecting longitudinal ledges, whereby a circumferential cavity is defined by said groove and said ledges, said cavity being open through a slot between said ledges,

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said ledges being recessed at, at least, one location along said slot to define an opening wider than said slot to permit insertion of said contact means therethrough,

said contact means having side portions which, after such insertion and longitudinal displacement in said cavity, are held in place by said ledges.

2. A contact assembly as claimed in claim 1, wherein said opening defines end faces of said wall around said opening, and said closing element has end faces around said closing element, said end faces of said wall and said closing element facing each other, when said opening is closed by said closing element, said shielding
5 conductive layers representing the surfaces of said wall and of said closing element, respectively, including said end faces thereof, said circumferential groove being formed in such end face conductive layer surface of said one part, said contact mean resiliently engaging said end face conductive layer surface of the
10 other one of said parts.
3. A contact assembly as claimed in claim 2, wherein said contact means comprise at least one profiled parts of resilient, electrically conductive material said profiled parts having a strip-shaped foot portion and a curved contact portion attached
15 thereto, said foot portion being guided in said circumferential groove and retained by said ledges of said circumferential groove, said curved contact portion extending through said slot and having a resilient free end projecting from said circumferential groove.
4. A contact assembly as claimed in claim 3, wherein said curved contact portion has a bell-shaped cross section.
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5. A contact assembly as claimed in claim 3, wherein said foot is a continuous sheet steel strip, the curved contact portion attached thereto being divided into individual
25 sections by transverse cuts, said individual sections being interconnected by said continuous sheet steel strip.
6. A contact assembly as claimed in claim 1, wherein said housing is a container, said opening being a rectangular door or window of said container, said circumferential
30 groove and ledges having four sections along the four sides of said rectangular door or window.

7. A contact assembly as claimed in claim 6, wherein

5 said ledges of each of said groove and ledges sections have recessed locations for insertion of said contact means and

said contact means comprise one continuous contact strip for each of said groove and ledges section.

10 8. A contact assembly as claimed in claim 1, wherein

15 said end faces of said wall and of said closing element around said opening are formed by substantially complementary conductive profile elements, said profile elements having inclined surfaces facing each other and forming an angle with the surfaces of said wall or said closing element, respectively, and

said circumferential groove is provided in one of these inclined surfaces and said contact means resiliently engage the complementary one of said inclined surfaces.

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